

**SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT
BY APPLICANT
PTO-1449**

DOCKET NO.
10020/30301

SERIAL NO.
10/723,953

APPLICANT
FORREST, et al.

FILING DATE
November 26, 2003

GROUP
1772

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
SW	6,013,982	January 11, 2000	Thompson et al.	313	506	
	6,087,196	July 11, 2000	Sturm et al.	438	29	
	6,097,147	August 1, 2000	Baldo et al.	313	506	
	6,294,398	September 25, 2001	Kim et al.	438	22	
	6,337,102	January 8, 2002	Forrest et al.	427	64	
	6,333,458	December 25, 2001	Forrest et al.	136	259	
	6,451,415	September 17, 2002	Forrest et al.	428	212	
	6,468,819	October 22, 2002	Kim et al.	438	22	
SW	6,580,027	June 17, 2003	Forrest et al.	136	263	


FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
SW	FORREST et al., "Active Optoelectronics Using Thin-Film Organic Semiconductors," IEEE J. Sel. Top. Quantum Electron. 6, 1072 (2000)
	PEUMANS et al., "Efficient Photon Harvesting at High Optical Intensities in Ultrathin Organic Double-Heterostructure Photovoltaic Diodes," Appl. Phys. Lett. 76, 3855 (2000)
	PEUMANS et al., "Small Molecular Weight Organic Thin-Film Photodetectors and Solar Cells," J. Appl. Phys. 93, 3693 (2003)
	TANG et al., "Two-Layer Organic Photovoltaic Cell," Appl. Phys. Lett. 48, 183 (1986)
	SHAH et al., "Photovoltaic Technology: The Case for Thin-Film Solar Cells," Science 285, 692 (1999)
	PEUMANS et al., "Very-high-efficiency Double-heterostructure Copper Phthalocyanine/C ₆₀ Photovoltaic cells," Appl. Phys. Lett. 79, 126 (2001)
	PEUMANS et al., "Efficient, High-Bandwidth Organic Multilayer Photodetectors," Appl. Phys. Lett. 76, 2650-52
	WELFORD et al., "High Collection Nonimaging Optics", Academic Press, pp. 172-175 (1989)
	PARKER, "Carrier Tunneling and Device Characteristics in Polymer Light-Emitting Diodes," J. Appl. Phys. 75, 1656 (1994)
	FOWLER et al., "Electron Emission in Intense Electric Fields," Proc. R. Soc. London Ser. A 119, 173 (1928)
SW	STRATTON, "Theory of Field Emission from Semiconductors," Phys. Rev. 125, 67, (1962)

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
SW		HILL et al., "Organic Semiconductor Heterointerfaces Containing Bathocuproine," J. Appl. Phys. 86, 2116 (1999)
		FORREST, "Ultrathin Organic Films Grown by Organic Molecular Beam Deposition and Related Techniques," Chem. Rev. 97, 1793 (1997)
		HILL et al., "Organic Semiconductor Interfaces: Electronic Structure and Transport Properties," Appl. Surf. Sci. 166, 354 (2000)
		HILL et al., "Charge-Separation Energy in Films of π -Conjugated Organic Molecules," Chem. Phys. Lett. 327, 181 (2000)
		UENO et al., "Parabolic Dispersion and Effective Mass of Hot Electrons in Oriented Thin Films of Copper Phthalocyanine Determined by Means of Low-Energy-Electron Transmission," Phys. Rev. B 44, 6472 (1991)
		GU et al., "Transparent Organic Light Emitting Devices," Appl. Phys. Lett. 68, 2606 (1996)
		GU et al., "Transparent Stacked Organic Light Emitting Devices. I. Design Principles and Transparent Compound Electrodes," J. Appl. Phys. 86, 4067 (1999)
		DRECHSEL et al., "Organic Mip-diodes by p-doping of amorphous wide-gap semiconductors: CV and impedance spectroscopy", Synth. Met. 127, 201-205 (2002)
		SHIROTA et al., "Multilayered Organic Electroluminescent device Using a Novel Starburst Molecule, 4,4',4"-tris(3-methylphenylphenylamino)triphenylamine, as a hole transport material," Appl. Phys. Lett. 65, 807 (1994)
		DJURISIC et al., "Indium-tin-oxide Surface Treatments: Influence on the performance of CuPc/C ₆₀ solar cells," J. Appl. Phys. 93, 5472 (2003)
SW		Shtein, et al., U.S. Patent Application No. 10/233,470, filed September 4, 2002, entitled "Process and Apparatus for Organic Vapor Jet Deposition".

EXAMINER		DATE CONSIDERED	8/6/2004
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			